



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 80 93 76

Classification of the application (IPC):
B23K 9/073, B23K 9/10, B23K 9/173, B23K 9/09

Technical fields searched (IPC):
B23K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	JP 2015016482 A (PANASONIC CORP) 29 January 2015 (2015-01-29) * paragraphs [0001], [0012], [0020], [0028], [0032], [0033], [0040], [0042], [0062]; claim 1; figures 1,2,3 *	1, 2, 10
Y	CN 102794549 B (DAIHEN CORP) 20 January 2016 (2016-01-20) * abstract; claims 1,3,4; figures 5,10,13 *	1, 2, 10
Y	US 8373093 B2 (LINCOLN GLOBAL INC [US]; PETERS STEVEN R [US]) 12 February 2013 (2013-02-12) * claims 1,7 *	1, 2, 10
A	JP 2015030033 A (DAIHEN CORP) 16 February 2015 (2015-02-16) * paragraphs [0001], [0049] - [0055], [0059] - [0061], [0065]; figure 3 *	1-10
A	US 2014203004 A1 (MATSUOKA NORIYUKI [JP] ET AL) 24 July 2014 (2014-07-24) * paragraphs [0001], [0012], [0027], [0044] - [0054]; figure 2 *	1-10

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 06 October 2023	Examiner Schloth, Patrick
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CATEGORY OF CITED DOCUMENTS

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 06-10-2023
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